iPhone 3G – Technical Specifications

Languages English

Size and weight[1]
Height:
4.5 inches (115.5 mm)
Width:
2.4 inches (62.1 mm)
Depth:
0.48 inch (12.3 mm)
Weight:
4.7 ounces (133 grams)

Color

- 8GB model: Black
- 16GB model: Black or white

Capacity[2]

- 8GB or 16GB flash drive

Cellular and wireless

- UMTS/HSDPA (850, 1900, 2100 MHz)
- GSM/EDGE (850, 900, 1800, 1900 MHz)
- Wi-Fi (802.11b/g)
- Bluetooth 2.0 + EDR

GPS

- Assisted GPS

In the box

- iPhone 3G
- Stereo Headset with mic
- Dock Connector to USB Cable
- USB Power Adapter
- Documentation
- Cleaning/polishing cloth
- SIM eject tool

Environmental Status Report
iPhone 3G embodies Apple's continuing environmental progress. It is designed with the following features to reduce environmental impact:

- PVC-free handset
- PVC-free headphones
- PVC-free USB cable
- Bromine-free printed circuit boards
- Mercury-free LCD display
- Majority of packaging made from post-consumer recycled fiberboard and biobased materials
- Power adapter outperforms strictest global energy efficiency standards

Display

- 3.5-inch (diagonal) widescreen Multi-Touch display
- 480-by-320-pixel resolution at 163 ppi
- Support for display of multiple languages and characters simultaneously

Audio

- Frequency response: 20Hz to 20,000Hz
- Audio formats supported: AAC, Protected AAC, MP3, MP3 VBR, Audible (formats 2, 3, and 4), Apple Lossless, AIFF, and WAV
- User-configurable maximum volume limit

Headphones

- Stereo earphones with built-in microphone
- Frequency response: 20Hz to 20,000Hz
- Impedance: 32 ohms

Video

- Video formats supported: H.264 video, up to 1.5 Mbps, 640 by 480 pixels, 30 frames per second, Low-Complexity version of the H.264 Baseline Profile with AAC-LC audio up to 160 Kbps, 48kHz, stereo audio in .m4v, .mp4, and .mov file formats; H.264 video, up to 2.5 Mbps, 640 by 480 pixels, 30 frames per second, Baseline Profile up to Level 3.0 with AAC-LC audio up to 160 Kbps, 48kHz, stereo audio in .m4v, .mp4, and .mov file formats; MPEG-4 video, up to 2.5 Mbps, 640 by 480 pixels, 30 frames per second, Simple Profile with AAC-LC audio up to 160 Kbps, 48kHz, stereo audio in .m4v, .mp4, and .mov file formats

Camera and photos

- 2.0 megapixels
- Photo geotagging
- iPhone and third-party application integration

Language support

- Language support for English, French, German, Japanese, Dutch, Italian, Spanish, Portuguese, Danish, Finnish, Norwegian, Swedish, Korean, Simplified Chinese, Traditional Chinese, Russian, and Polish
- International keyboard and dictionary support for English (U.S.), English (UK), French (France), French (Canada), German, Japanese, Dutch, Italian, Spanish, Portuguese (Portugal), Portuguese (Brazil), Danish, Finnish, Norwegian, Swedish, Korean (no dictionary), Simplified Chinese, Traditional Chinese, Russian, and Polish

Mail attachment support

- Viewable document types: .jpg, .tiff, .gif (images); .doc and .docx (Microsoft Word); .htm and .html (web pages); .key (Keynote); .numbers (Numbers); .pages (Pages); .pdf (Preview and Adobe Acrobat); .ppt and .pptx (Microsoft PowerPoint); .txt (text); .vcf (contact information); .xls and .xlsx (Microsoft Excel)

Connectors and input/output

- 30-pin dock connector
- 3.5-mm stereo headphone minijack
- Built-in speaker
- Microphone
- SIM card tray

External buttons and controls

- Sleep/wake
- Ring/silent
- Volume up/down
- Home

Sensors

- Accelerometer
- Proximity sensor
- Ambient light sensor

Power and battery

- Built-in rechargeable lithium-ion battery[3]
- Charging via USB to computer system or power adapter
- Talk time:[4]
  Up to 5 hours on 3G
  Up to 10 hours on 2G
- Standby time: Up to 300 hours[5]
- Internet use:
  Up to 5 hours on 3G[6]
  Up to 6 hours on Wi-Fi[7]
- Video playback: Up to 7 hours[8]
- Audio playback: Up to 24 hours[9]

Mac system requirements

- Mac computer with USB 2.0 port
- Mac OS X v10.4.10 or later
- iTunes 7.7 or later

Windows system requirements

- PC with USB 2.0 port
- Windows Vista; or Windows XP Home or Professional with Service Pack 2 or later
- iTunes 7.7 or later

Environmental requirements

- Operating temperature: 32° to 95° F
  (0° to 35° C)
- Nonoperating temperature: -4° to 113° F
  (-20° to 45° C)
- Relative humidity: 5% to 95% noncondensing
- Maximum operating altitude: 10,000 feet (3000 m)

iPhone Accessories

iPhone Bluetooth Headset

Answer iPhone calls wirelessly with this compact, lightweight Bluetooth headset. A single button lets you answer and end calls easily. And the lithium-ion battery delivers up to 5.5 hours of talk time and up to 72 hours of standby time.[1]

iPhone 3G Dock

Get fast access to USB charging, syncing, and audio out with the iPhone 3G Dock. Even conduct speakerphone calls when your iPhone is in the dock.

Apple USB Power Adapter

Charge your iPhone on the go with this new, ultracompact USB power adapter. Includes an Apple Dock Connector to USB Cable.

- iPhone Stereo Headset
- Apple Dock Connector to USB Cable
- iPhone Bluetooth Travel Cable

- iPhone 3G Universal Dock Adapter 3-Pack
- iPhone TTY Adapter
- Apple Universal Dock
- Apple Component AV Cable
- Apple Composite AV Cable
- AirPort Extreme Base Station

See more accessories in the Apple Online Store

1. Actual size and weight vary by configuration and manufacturing process.
2. 1GB = 1 billion bytes; actual formatted capacity less.
3. Rechargeable batteries have a limited number of charge cycles and may eventually need to be replaced. See www.apple.com/batteries for more information.
4. Talk time: Testing conducted by Apple in May and June 2008 using preproduction iPhone 3G units and software. iPhone 3G units were connected to a 1900MHz network or a 2100MHz network. All settings were default except: Call Forwarding was turned on; the Wi-Fi feature Ask to Join Networks was turned off. Wi-Fi was enabled but not associated with a network. Battery life depends on the cellular network, location, signal strength, feature configuration, usage, and many other factors. Battery tests are conducted using specific iPhone units; actual results may vary.
5. Standby time: Testing conducted by Apple in May and June 2008 using preproduction iPhone 3G units and software. All settings were default except: Call Forwarding was turned on; the Wi-Fi feature Ask to Join Networks was turned off. Wi-Fi was enabled but not associated with a network. Battery life depends on the cellular network, location, signal strength, feature configuration, usage, and many other factors. Battery tests are conducted using specific iPhone units; actual results may vary.
6. Internet use over 3G: Testing conducted by Apple in May and June 2008 using preproduction iPhone 3G units and software. Internet over 3G tests were conducted over a 1900MHz 3G network using dedicated web and mail servers, browsing snapshot versions of 20 popular web pages, and receiving mail once an hour. All settings were default except: Call Forwarding was turned on; the Wi-Fi feature Ask to Join Networks and Auto-Brightness were turned off. Wi-Fi was enabled but not associated with a network. Battery life depends on the cellular network, location, signal strength, 3G connectivity, feature configuration, usage, and many other factors. Battery tests are conducted using specific iPhone units; actual results may vary.
7. Internet use over Wi-Fi: Testing conducted by Apple in May and June 2008 using preproduction iPhone 3G units and software. Internet over Wi-Fi tests were conducted using a closed network and dedicated web and mail servers, browsing snapshot versions of 20 popular web pages, and receiving mail once an hour. All settings were default except: Call Forwarding was turned on; the Wi-Fi feature Ask to Join Networks and Auto-Brightness were turned off; WPA2 encryption was enabled. Battery life depends on the cellular network, location, signal strength, Wi-Fi connectivity, feature configuration, usage, and many other factors. Battery tests are conducted using specific iPhone units; actual results may vary.
8. Video playback: Testing conducted by Apple in May and June 2008 using preproduction iPhone 3G units and software. Video content consisted of a repeated 2-hour 23-minute movie purchased from the iTunes Store. All settings were default except: Call Forwarding was turned on; the Wi-Fi feature Ask to Join Networks and Auto-Brightness were turned off. Wi-Fi was enabled but not associated with a network. Battery life depends on the cellular network, location, signal strength, feature configuration, usage, and many other factors. Battery tests are conducted using specific iPhone units; actual results may vary.
9. Audio playback: Testing conducted by Apple in May and June 2008 using preproduction iPhone 3G units and software. The playlist consisted of 358 unique audio tracks, a combination of content imported from CDs using iTunes (128-Kbps AAC encoding) and content purchased from the iTunes Store (128-Kbps AAC encoding). All settings were default except: Call Forwarding was turned on; the Wi-Fi feature Ask to Join Networks was turned off. Wi-Fi was enabled but not associated with a network. Battery life depends on the cellular network, location, signal strength, feature configuration, usage, and many other factors. Battery tests are conducted using specific iPhone units; actual results may vary.
10. Talk and standby times: Testing conducted by Apple in June 2007 using preproduction iPhone Bluetooth Headsets, iPhone units, and software. All iPhone Bluetooth Headset settings were default. All iPhone settings were default except: Call Forwarding was turned on; the Wi-Fi feature Ask to Join Networks was turned off. Battery life depends on signal strength, usage, and many other factors. Battery tests are conducted using specific iPhone Bluetooth Headset and iPhone units; actual results may vary.

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Additional Product Support Information

iPhone 3G